

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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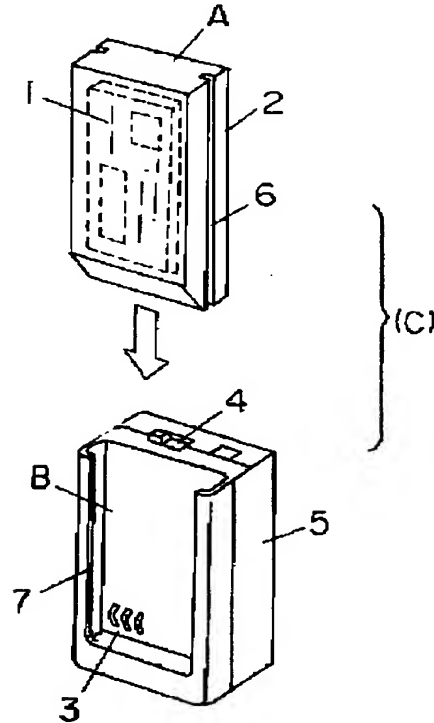
APPLICATION DATE : 28-03-96  
APPLICATION NUMBER : 08073526

APPLICANT : MATSUSHITA ELECTRIC IND CO LTD;

INVENTOR : OO FUMIO;

INT.CL. : H01M 10/46 H01M 2/10

TITLE : POWER SOURCE DEVICE



**ABSTRACT :** PROBLEM TO BE SOLVED: To eliminate the economical loss resulted from the difference between the life of a circuit member and the life of a battery by sealing the circuit member and the battery with an insulating material, except the respective external connecting terminal parts, and constituting the both in such a manner as to be mutually attachable and detachable.

**SOLUTION:** In a power source device, the circuit board 1 of a circuit material A is sealed with an insulating material 2 formed of a synthetic resin or the like except the external connecting terminal part formed of a conductive material. A battery B has an external connecting terminal 3 formed of a conductive material electrically connectable to the circuit member A, and is sealed with an insulating material 5 except an external connecting terminal part 4 electrically connectable to a matching equipment. This circuit member A and the battery B are made mutually attachable and detachable by a recessed groove part 6 provided on the circuit member A and a rail part 7 provided on the battery B, and a power source device C is formed in the state where they are integrated together. Even when the life of the battery B ended, only the replacement of the battery B is sufficient, and the replacement of the expensive circuit member A is not needed.

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